

ABSTRACT

[Abstract]

To provide an organic EL drive circuit and an organic EL display device using the organic EL drive circuit, which, when grey levels of passive matrix type organic EL elements are controlled time-divisionally, is capable of easily collecting luminance in low luminance level with low drive voltage and restricted power consumption.

[Means for Resolution]

An organic EL drive circuit, which has a plurality of current drive circuits for generating PWM pulse having pulse width corresponding to display data of luminance of organic EL elements and outputting a drive current for driving the organic EL elements for a time period corresponding to the PWM pulse, comprises a peak current generator circuit for generating a peak current on the drive current. The current drive circuit is provided for each of the output pins connected to the respective organic EL elements and generates the peak currents larger than the drive current corresponding to the display data when the display data value indicates a predetermined luminance or lower.

[Selected Drawing] Fig. 1